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CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Name: Jodi Hobbs Signature: Jodi Hobbs Date: ~~06/27/2008~~

06/30/2008/jh
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|---------------------|---|-----------------------|
| Patent Number: | U.S. 6,908,615 | (Case No. 19424PC) |
| Issued: | June 21, 2005 | |
| Name of Patentee: | Kathryn J. Hofmann, Kathrin U. Jansen, Michael P. Neeper, Joseph G. Joyce, and Hugh A. George | |
| Title of Invention: | DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18 | |
| Application No.: | 08/913,644 | Examiner: A.R. Salimi |
| Filed: | November 21, 1997 | |

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

PETITION FOR CORRECTION OF INVENTORSHIP PURSUANT TO 37 CFR §1.324

Sir:

This is a petition for correction of error in inventorship corresponding to the claimed subject matter of U.S. Patent No. 6,908,615.

The undersigned respectfully requests the addition of Robert Lowe and James C. Cook, III as inventors pursuant to 37 C.F.R. § 1.324.

Submitted herewith are the following supporting documents:

- (1) A statement, signed by Robert Lowe and James C. Cook, III, that this inventorship error was inadvertent and occurred without deceptive intent on their part, as required by 37 CFR § 1.324(b)(1);
- (2) a statement, signed by current named inventors Kathryn J. Hofmann, Kathrin U. Jansen, Michael P. Neeper, Joseph G. Joyce, and Hugh A. George, that they have no

07/07/2008 RWBRRANT 00000023 132755 08913644

01 FC:1464 130.00 DA

disagreement in regard to the change requested above, as required by 37 CFR § 1.324(b)(2); and

- (3) a statement, signed by an authorized representative of Merck & Co., Inc., assignee of U.S. Patent 6,908,615, agreeing to the change as required by 37 CFR § 1.324(b)(3); and
- (4) a statement under 37 C.F.R. § 3.73(b), establishing ownership of Merck & Co., Inc., of U.S. Patent 6,908,615.

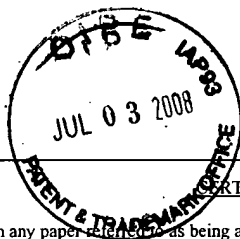
The Patent & Trademark Office is hereby authorized to deduct the requisite fee for correction of inventorship pursuant to 37 C.F.R. § 1.20(b) from Deposit Account No. 13-2755. Any additional fees that may be due in connection with the filing of this paper may be charged to Deposit Account No. 13-2755.

Respectfully submitted,

By 
Alysia Finnegan
Reg. No. 48,878
Attorney for Applicants

Merck & Co., Inc.
P.O. Box 2000
Rahway, NJ 07065-0907
(732) 594-2583

Date: 6/27/2008



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Jodi Hobbs

Name

Jodi Hobbs

Signature

06/27/2008

Date

06/30/2008/gh
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|---------------------|---|-----------------------|
| Patent Number: | U.S. 6,908,615 | (Case No. 19424PC) |
| Issued: | June 21, 2005 | |
| Name of Patentee: | Kathryn J. Hofmann, Kathrin U. Jansen, Michael P. Neeper, Joseph G. Joyce, and Hugh A. George | |
| Title of Invention: | DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18 | |
| Application No.: | 08/913,644 | Examiner: A.R. Salimi |
| Filed: | November 21, 1997 | |

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT REGARDING INVENTORSHIP PURSUANT TO 37 CFR §1.324(b)(1)

Sir:

The above-referenced U.S. Patent, issued on June 21, 2005, inadvertently fails to list my name as inventor. Pursuant to 37 CFR § 1.324(b)(1), I hereby state that this error was made without deceptive intent on my part.

Respectfully submitted,

Date:

15 May 2008

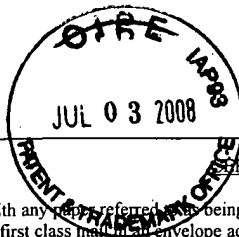
By

James C. Cook, III

Date:

14 May 2008

Robert Lowe



CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jodi Hobbs

Name

Jodi Hobbs

Signature

06/27/2008

Date

06/30/2008/jh
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|---------------------|---|-----------------------|
| Patent Number: | U.S. 6,908,615 | (Case No. 19424PC) |
| Issued: | June 21, 2005 | |
| Name of Patentee: | Kathryn J. Hofmann, Kathrin U. Jansen, Michael P. Neeper, Joseph G. Joyce, and Hugh A. George | |
| Title of Invention: | DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18 | |
| Application No.: | 08/913,644 | Examiner: A.R. Salimi |
| Filed: | November 21, 1997 | |

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT REGARDING INVENTORSHIP PURSUANT TO 37 CFR §1.324(b)(2)

Sir:

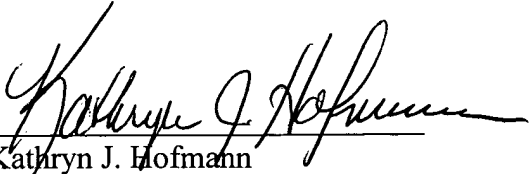
We, Kathryn J. Hofmann, Kathrin U. Jansen, Michael P. Neeper, Joseph G. Joyce, and Hugh A. George, are the only persons currently listed as inventors on the above-referenced U.S. Patent, which issued on June 21, 2005.

We understand that a Petition for Correction of Error in Inventorship is concurrently being submitted to request that James C. Cook, III and Robert Lowe be added as inventors.

We hereby state that we have no disagreement in regard to the change requested above.

Respectfully submitted,

Date: 5/16/2008

By 
Kathryn J. Hofmann

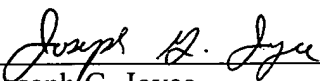
Date: _____

Kathrin U. Jansen

Date: _____

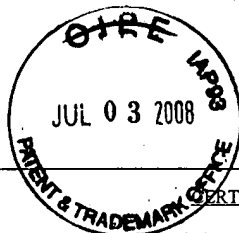
Michael P. Neeper

Date: 5/14/2008


Joseph G. Joyce

Date: _____

Hugh A. George



CERTIFICATE OF MAILING

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Jodi Hobbs
Name

Jodi Hobbs
Signature

06/27/2008
Date

06/30/2008/jh
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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|---------------------|---|-----------------------|
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| Issued: | June 21, 2005 | |
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| Title of Invention: | DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18 | |
| Application No.: | 08/913,644 | Examiner: A.R. Salimi |
| Filed: | November 21, 1997 | |

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT REGARDING INVENTORSHIP PURSUANT TO 37 CFR §1.324(b)(2)

Sir:

We, Kathryn J. Hofmann, Kathrin U. Jansen, Michael P. Neeper, Joseph G. Joyce, and Hugh A. George, are the only persons currently listed as inventors on the above-referenced U.S. Patent, which issued on June 21, 2005.

We understand that a Petition for Correction of Error in Inventorship is concurrently being submitted to request that James C. Cook, III and Robert Lowe be added as inventors.

We hereby state that we have no disagreement in regard to the change requested above.

Respectfully submitted,

Date: _____

By _____
Kathryn J. Hofmann

Date: 17 Jan 2008


Kathrin U. Jansen

Date: _____

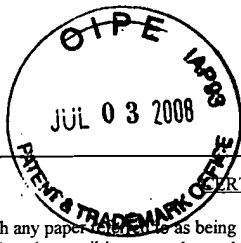
Michael P. Neeper

Date: _____

Joseph G. Joyce

Date: _____

Hugh A. George



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Jodi Hobbs

Name

Jodi Hobbs

Signature

06/27/2008

Date

06/30/2008 *igh*
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|---------------------|---|-----------------------|
| Patent Number: | U.S. 6,908,615 | (Case No. 19424PC) |
| Issued: | June 21, 2005 | |
| Name of Patentee: | Kathryn J. Hofmann, Kathrin U. Jansen, Michael P. Neeper, Joseph G. Joyce, and Hugh A. George | |
| Title of Invention: | DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18 | |
| Application No.: | 08/913,644 | Examiner: A.R. Salimi |
| Filed: | November 21, 1997 | |

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT REGARDING INVENTORSHIP PURSUANT TO 37 CFR §1.324(b)(2)

Sir:

We, Kathryn J. Hofmann, Kathrin U. Jansen, Michael P. Neeper, Joseph G. Joyce, and Hugh A. George, are the only persons currently listed as inventors on the above-referenced U.S. Patent, which issued on June 21, 2005.

We understand that a Petition for Correction of Error in Inventorship is concurrently being submitted to request that James C. Cook, III and Robert Lowe be added as inventors.

We hereby state that we have no disagreement in regard to the change requested above.

Respectfully submitted,

Date: _____

By _____
Kathryn J. Hofmann

Date: _____

Kathrin U. Jansen

Date: 12 Feb 2008

Michael P. Neeper 12 Feb 2008

Michael P. Neeper

Date: _____

Joseph G. Joyce

Date: _____

Hugh A. George



I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jodi Hobbs

Name

Jodi Hobbs

Signature

06/27/2008

Date

06/30/2008 /gh
PATENT

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| Patent Number: | U.S. 6,908,615 | (Case No. 19424PC) |
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| Title of Invention: | DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18 | |
| Application No.: | 08/913,644 | Examiner: A.R. Salimi |
| Filed: | November 21, 1997 | |

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT REGARDING INVENTORSHIP PURSUANT TO 37 CFR §1.324(b)(2)

Sir:

We, Kathryn J. Hofmann, Kathrin U. Jansen, Michael P. Neeper, Joseph G. Joyce, and Hugh A. George, are the only persons currently listed as inventors on the above-referenced U.S. Patent, which issued on June 21, 2005.

We understand that a Petition for Correction of Error in Inventorship is concurrently being submitted to request that James C. Cook, III and Robert Lowe be added as inventors.

We hereby state that we have no disagreement in regard to the change requested above.

Respectfully submitted,

Date: _____

By _____
Kathryn J. Hofmann

Date: _____

Kathrin U. Jansen

Date: _____

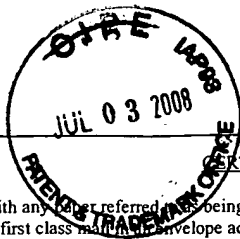
Michael P. Neeper

Date: _____

Joseph G. Joyce

Date: 23-MAR-2008

Hugh A. George
Hugh A. George



CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jodi Hobbs
Name

Jodi Hobbs
Signature

06/27/2008
Date

06/30/2008 *1jh*
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Patent Number: | U.S. 6,908,615 | (Case No. 19424PC) |
| Issued: | June 21, 2005 | |
| Name of Patentee: | Kathryn J. Hofmann, Kathrin U. Jansen, Michael P. Neeper, Joseph G. Joyce, and Hugh A. George | |
| Title of Invention: | DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18 | |
| Application No.: | 08/913,644 | Examiner: A.R. Salimi |
| Filed: | November 21, 1997 | |

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT FROM ASSIGNEE OF PATENT REGARDING INVENTORSHIP
PURSUANT TO 37 CFR §1.324(b)(3)

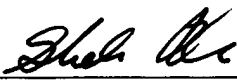
Sir:

The above-referenced U.S. Patent, which issued on June 21, 2005, lists the following persons as inventors: Kathryn J. Hofmann, Kathrin U. Jansen, Michael P. Neeper, Joseph G. Joyce, and Hugh A. George. A Petition for Correction of Error in Inventorship is concurrently being submitted to request the addition of James C. Cook, III and Robert Lowe as inventors of the subject matter claimed in Patent No. 6,908,615.

As authorized representative of Merck & Co., Inc. (hereinafter "Merck"), assignee of U.S. Patent 6,908,615, I hereby state that Merck agrees to the change in inventorship noted

above. A statement under 37 C.F.R. §3.73(b) is submitted herewith, establishing Merck as owner of record of the above-referenced patent.

Respectfully submitted,

By 
Sheldon O. Heber
Reg. No. 38,179
Attorney for Applicant

Merck & Co., Inc.
P.O. Box 2000
Rahway, NJ 07065-0907
(732) 594-1958

Date: 6-27-08

STATEMENT UNDER 37 CFR 3.73(b)



Applicant/Patent Owner: Merck & Co., Inc.

Application No./Patent No.: 6,908,615

Filed/Issue Date: June 21, 2005

Entitled: DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18

MERCK & CO., INC

(Name of Assignee)

states that it is:

Corporation

(Type of Assignee, e.g.,
corporation, partnership, university,
government agency, etc.)

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
(The extent (by percentage) of its ownership interest is _____ %)

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 008945 Frame 0714 ; Reel 008908 , Frame 0930 ; Reel 021036 , Frame 0604 , or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO.
See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee, pursuant to attached Corporate Resolution No. 5, dated April 22, 2008

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date appearing below.

By Jode Hollos Date 06/30/2008 1gh
MERCK & CO., INC.

Sheldon O. Heber
Signature

Sheldon O. Heber
Printed or Typed Name

6-27-08
Date

Managing Counsel, Patents
Title

(732) 594-1958
Telephone Number

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

MERCK & CO. INC.

CERTIFICATION

I, Debra A. Bollwage, Senior Assistant Secretary of Merck & Co., Inc. (the "Company"), a corporation duly organized and existing under the laws of the State of New Jersey, do hereby certify that the attached, presently in full force and effect, is a true and correct copy of General Corporate Resolution #5, Patent Matters, as amended by Unanimous Written Consent of the Board of Directors of said Company on April 22, 2008.

IN WITNESS WHEREOF, I have hereunto subscribed my signature and affixed the seal of the Company this 30th day of April 2008.

Debra A. Bollwage
Senior Assistant Secretary

(SEAL)

Page 1 of 1
Amended 4/22/08

General Corporate Resolution #5

PATENT MATTERS

RESOLVED, that any of the following:

Richard T. Clark-Chairman, President and Chief Executive Officer
Bruce N. Kuhlik-Executive Vice President and General Counsel
Joseph F. DiPrima-Vice President and Assistant General Counsel
Paul D. Matukaitis-Vice President and Assistant General Counsel
Edward W. Murray-Managing Counsel, IP Litigation
Gerard Devlin-Counsel, IP Litigation
Valerie J. Camara-Managing Counsel, Patents
Mark R. Daniel-Managing Counsel, Patents
Catherine D. Fitch-Managing Counsel, Patents
Sheldon O. Heber-Managing Counsel, Patents
William Krovatin-Managing Counsel, Patents
David A. Muthard-Managing Counsel, Patents
Anthony Rollins-Managing Counsel, European Patents
Edward M. Yoshida-Managing Counsel, Rosetta Inpharmatics
Charles M. Caruso-Counsel, International
Peter Haeblerli-Assistant Counsel, Sirna Therapeutics, Inc.
Kenichi Osawa-Senior Director, Banyu Patent and Trademark Group
Donna L. Margiotto-Senior Manager, Patent Administration

are authorized to execute and to revoke on behalf of Merck & Co., Inc. and its affiliates (including subsidiaries) the following documents relating to patent matters:

Powers of attorney as fully in law as may be necessary and proper in connection with the acquisition, registration, maintenance and enforcement of patents and applications for patents, including powers of attorney relating to the prosecution or defense of patent rights before courts of law or other governmental tribunals, agencies or departments; affidavits and declarations; and any other documents which are necessary and proper for the acquisition, registration, maintenance, litigation and protection of patents.

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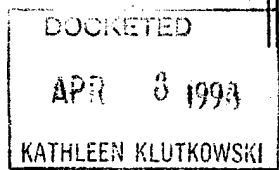


UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MARCH 26, 1998

MERCK & CO., INC.
JOANNE M. GIESSER
PATENT DEPARTMENT
P.O. BOX 2000 -- RY60-30
RAHWAY, NEW JERSEY 07065-0907

PTAS



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/30/1998

REEL/FRAME: 8945/0714
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HOFMANN, KATHRYN J.

DOC DATE: 03/21/1995

ASSIGNOR:
JANSEN, KATHRIN U.

DOC DATE: 03/21/1995

ASSIGNOR:
NEEPER, MICHAEL P.

DOC DATE: 03/21/1995

ASSIGNEE:
MERCK & CO., INC.
P.O. BOX 2000
RY60-30
RAHWAY, NEW JERSEY 07065-0907

SERIAL NUMBER: 08408669
PATENT NUMBER:

FILING DATE: 03/22/1995
ISSUE DATE:

3945/0714 PAGE 2

PEARLENE FOSTER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

19425

5M6



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JOANNE M. GIESSE
MARCH 10 1998

MARCH 05, 1998

MERCK & CO., INC.
JOANNE M. GIESSE
PATENT DEPARTMENT
P.O. BOX 2000-RY60030
RAHWAY, NJ 07065-0907



PTAS



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 01/20/1998

REEL/FRAME: 8908/0030
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
JOYCE, JOSEPH G.

DOC DATE: 03/21/1995

ASSIGNOR:
GEORGE, HUGH A.

DOC DATE: 03/21/1995

ASSIGNOR:
HOFMANN, KATHRYN J.

DOC DATE: 03/21/1995

ASSIGNOR:
JANSEN, KATHRIN U.

DOC DATE: 03/21/1995

ASSIGNOR:
NEEPER, MICHAEL P.

DOC DATE: 03/21/1995

ASSIGNEE:
MERCK & CO., INC.
P.O. BOX 2000
RAHWAY, NEW JERSEY 07065-0907

8908/0930 PAGE 2

SERIAL NUMBER: 08409122
PATENT NUMBER:

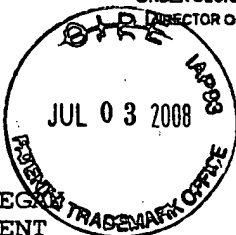
FILING DATE: 03/22/1995
ISSUE DATE:

SEDLEY PYNE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

TO: ALYSIA A. FINNEGAN COM IV: PATENT DEPARTMENT



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

700373338A

JUNE 04, 2008

PTAS - KN

ALYSIA A. FINNEGAN
PATENT DEPARTMENT
MERCK & CO., INC.
P.O. BOX 2000-RY60-30
RAHWAY, N.J. 07065-0907UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 06/03/2008

REEL/FRAME: 021036/0604
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LOWE, ROBERT

DOC DATE: 05/14/2008

ASSIGNOR:

COOK, JAMES C. III

DOC DATE: 05/14/2008

ASSIGNEE:

MERCK & CO., INC.
P.O. BOX 2000
RY60-30
RAHWAY, NEW JERSEY 07065-0907SERIAL NUMBER: ~~08913844~~ 08913644FILING DATE: ~~10/22/1997~~ 11/21/1997
ISSUE DATE:

PATENT NUMBER:

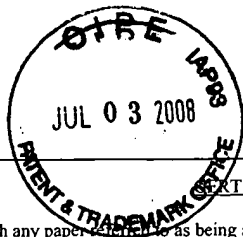
TITLE: ~~VENTURI MIXING APPARATUS~~

DNA ENCODING HUMAN PAPILLOMA VIRUS

TO:ALYSIA A. FINNEGAN COM Y:PATENT DEPARTMENT

021036/0604 PAGE 2

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION



CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper intended to be as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jodi Hobbs

Name

Jodi Hobbs

Signature

06/27/2008

Date

06/30/2008 1st
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|---------------------|--|-----------------------|
| Patent Number: | U.S. 6,908,615 | (Case No. 19424PC) |
| Issued: | June 21, 2005 | |
| Name of Patentee: | Kathryn J. Hofmann, Kathrin U. Jansen, Michael P. Neepfer, Joseph G. Joyce, and Hugh A. George | |
| Title of Invention: | DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18 | |
| Application No.: | 08/913,644 | Examiner: A.R. Salimi |
| Filed: | November 21, 1997 | |

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

COMMUNICATION ACCOMPANYING STATEMENT
UNDER 37 C.F.R. § 3.73(b)

Sir:

The attached Statement under 37 C.F.R. §3.73(b) ("the Statement") asserts that Merck & Co., Inc. is the assignee of the entire right, title, and interest in the above identified patent by virtue of an assignment from the inventors, recorded in the USPTO at Reel 008945 Frame 0714, Reel 008908 Frame 0930, and Reel 021036 Frame 0604. Copies of the three corresponding Notices of Recordation of Assignment Document are attached to the Statement.

An assignment from inventors James C. Cook, III and Robert Lowe was recorded on June 3, 2008 at Reel 021036 Frame 0604. The corresponding Notice of Recordation of Assignment Document, which was faxed by the Office on June 4, 2008, incorrectly lists the serial number, filing

date, and title of the invention. A Request for Corrected Recordation of Assignment Document was submitted on June 6, 2008 to rectify these errors. A copy thereof is attached, as well as a marked-up copy of the Notice, reflecting the requested corrections.

Respectfully submitted,

By 

Alysia A. Finnegan

Reg. No. 48,878

Attorney for Applicants

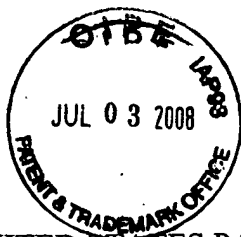
MERCK & CO., INC.

P.O. Box 2000

Rahway, New Jersey 07065-0907

(732) 594-2583

Date: June 27, 2008



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|------------------|---|--------------------------|
| Applicants: | Hofmann et al. | |
| Patent No. | U.S. 6,908,615 | Issued: June 21, 2005 |
| Application No.: | 08/913,644 | Filed: November 21, 1997 |
| For: | DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18 | |

Case No. 19424PC

Examiner:
A. R. Salimi

U.S. Patent and Trademark Office
Mail Stop: Assignment Services Branch
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CORRECTED RECORDATION OF ASSIGNMENT DOCUMENT

Sir:

This communication is in response to the Notice of Recordation of Assignment Document dated June 4, 2008 ("Notice") for the Assignment recorded on June 3, 2008 (Reel/Frame No. 021036/0604). Applicants request that the following errors be corrected:

The Serial No. on page 2 incorrectly reads "08913844". The Serial No. should read "08913644".

The Filing Date on page 2 incorrectly reads "10/22/1997". The Filing Date should read "11/21/1997".

The Title on page 2 incorrectly reads "VENTURI MIXING APPARATUS". The Title should read "DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18".

Attached hereto is a copy of the Notice marked with the requested corrections. Also attached for your reference is a copy of the Recordation Form Cover Sheet and the Assignment on which the Notice is based, wherein these documents show the correct information.

The errors in the Notice are Patent Office errors and, accordingly, no fee is believed to be due. Nonetheless, if a fee is due as a result of this communication, please charge the fee to Deposit Account No. 13-2755. Please credit any overpayment or charge any fee deficiency relating to this patent to Deposit Account No. 13-2755.

Respectfully submitted,

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date appearing below.

By Yodi Hollander Date 06/06/08
MERCK & CO., INC.

Date: June 6, 2008

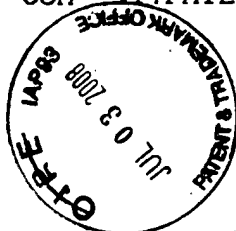
By

Alysia A. Finnegan
Alysia A. Finnegan
Reg. No. 48,878
Attorney for Applicants

MERCK & CO., INC.
P.O. Box 2000
Rahway, New Jersey 07065-0907
(732) 594-2583

TO:ALYSIA A. FINNEGAN

COM IV: PATENT DEPARTMENT



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

700373338

JUNE 04, 2008

PTAS - KN

ALYSIA A. FINNEGAN
PATENT DEPARTMENT
MERCK & CO., INC.
P.O. BOX 2000-RY60-30
RAHWAY, N.J. 07065-0907UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENTTHE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
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LOWE, ROBERT

DOC DATE: 05/14/2008

ASSIGNOR:

COOK, JAMES C. III

DOC DATE: 05/14/2008

ASSIGNEE:

MERCK & CO., INC.
P.O. BOX 2000
RY60-30
RAHWAY, NEW JERSEY 07065-0907SERIAL NUMBER: ~~08913644~~ 08913644FILING DATE: ~~10/22/1997~~ 11/21/1997
ISSUE DATE:

PATENT NUMBER:

TITLE: ~~VENTURI MIXING APPARATUS~~

DNA ENCODING HUMAN PAPILLOMA VIRUS

USPTO

6/4/2008 6:22:03 PM PAGE

3/004

Fax Server

TO:ALYSIA A. FINNEGAN COM Y:PATENT DEPARTMENT

021036/0604 PAGE 2

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

TO: Alysia A. Finnegan COM BY: PATENT DEPARTMENT

Substitute JUN. 3. 2008 3:44PM MERCK&CO 733 504 4720
06/03/2008
700373338NO. 528 . P. 1
Patent Case No. 122237U.S. DEPARTMENT OF COMMERCE
U.S. PATENT AND TRADEMARK OFFICERECORDATION FORM COVER SHEET
PATENTS ONLYTO THE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE:
PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

| | | | |
|--|-------------------|--|---|
| 1. Conveying party(ies): | | 2. Nature of conveyance: | |
| Name(s) | Execution Date(s) | <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Security Agreement |
| Robert Lowe | May 14, 2008 | <input type="checkbox"/> Merger | <input type="checkbox"/> Change of Name |
| James C. Cook, III | May 14, 2008 | <input type="checkbox"/> Other: | |
| | | 3. Name and address of receiving party(ies): | |
| | | Name: MERCK & Co., INC. | |
| | | Internal Address: RY60-30 | |
| | | Street Address: P.O. Box 2000 | |
| | | City & State: RAHWAY, NEW JERSEY | |
| | | Zip/Postal Code: 07085-0907 | |
| Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Additional name(s) & addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |

4. Application number(s) or patent number(s) are as follows:
Patent Application No(s). 08/913,844, filed on November 21, 1997
and titled:
DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18

☐ This document is being filed together with a new application.Additional numbers attached? ☐ Yes ☒ No

| | |
|--|---|
| 5. Name & address of party to whom correspondence concerning documents should be mailed: | 6. Total no. of applications & patents involved: 1 |
| Name: Alysia A. Finnegan | 7. Total fee (\$7 CFR 3.41).....\$ 40.00 |
| Internal Address: PATENT DEPARTMENT MERCK & CO., INC. P.O. BOX 2000 - RY60-30 | <input type="checkbox"/> Enclosed |
| City & State: RAHWAY, N.J. Zip: 07085-0907 | <input checked="" type="checkbox"/> The Director is hereby authorized to charge the deposit account number entered below for any fees which may be required or to credit any overpayment. |
| | 8. Deposit account number: 13-2755 |

DO NOT USE THIS SPACE

9. Statement and signature:
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Alysia A. Finnegan Reg. No. 48,878 June 3, 2008
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: 3

NOTE: Send to Mail Stop Assignment Recordation Services or Fax to Patent and Trademark Office at (571) 273-0140

| CERTIFICATE OF MAILING OR FACSIMILE TRANSMISSION | |
|--|--------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on: | |
| Name (Print/Type) | Jodi Hobbs |
| Signature | Jodi Hobbs |
| Date | June 3, 2008 |

IN DUPLICATE

Computer generated form Merck & Co., Inc. "Recordal Form" (Assignments Folder) 5/2/2008 Page 1 of 1

RECORDATION FORM COVER SHEET
PATENTS ONLYTO THE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE:
PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. Conveying party(ies):

| | |
|--------------------|-------------------|
| Name(s) | Execution Date(s) |
| Robert Lowe | May 14, 2008 |
| James C. Cook, III | May 14, 2008 |

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Nature of conveyance:

| | |
|--|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Security Agreement |
| <input type="checkbox"/> Merger | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Other: | |

3. Name and address of receiving party(ies):
Name: MERCK & Co., INC.

Internal Address: RY60-30

Street Address: P.O. Box 2000

City & State: RAHWAY, NEW JERSEY

Zip/Postal Code: 07065-0907

Additional name(s) & addresses attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s) are as follows:

Patent Application No(s). 08/913,644, filed on November 21, 1997

and titled:

DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18

☐ This document is being filed together with a new application.Additional numbers attached? ☐ Yes ☒ No

5. Name & address of party to whom correspondence concerning documents should be mailed:

Name: Alysia A. Finnegan

Internal Address: PATENT DEPARTMENT

MERCK & CO., INC.

P.O. BOX 2000 - RY60-30

City & State: RAHWAY, N.J. Zip: 07065-0907

6. Total no. of applications & patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☐ Enclosed☒ The Director is hereby authorized to charge the deposit account number entered below for any fees which may be required or to credit any overpayment.

8. Deposit account number: 13-2755

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9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Alysia A. Finnegan Reg. No. 48,878

Name of Person Signing

Signature

June 3, 2008

Date

Total number of pages including cover sheet, attachments, and documents: 3

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Name (Print/Type) Jodi Hobbs

Signature

Jodi Hobbs

Date June 3, 2008

Attorney Docket No. 19424PCU.S. Serial No. 08/913,644Filing Date November 21, 1997U.S. Patent No. 6,908,615 B1Date of Patent June 21, 2005**ASSIGNMENT AND AGREEMENT**

For value received, we, Robert Lowe and James C. Cook, III

of 2058 Maple Avenue, Apartment AB-2 10, Hatfield, PA 19440; 589 Woodford Road, North Wales, PA 19454

hereby sell, assign and transfer to MERCK & CO., Inc., a corporation of the State of New Jersey, having an office at Lincoln Avenue, City of Rahway, State of New Jersey, and its successors, assigns and legal representatives, our entire right, title and interest, for all countries, in and to certain inventions relating to

DNA ENCODING HUMAN PAPILLOMA VIRUS TYPE 18

described in an application for Patents having Attorney Docket Number 19424PC and in application(s) Serial No. 08/913,644 filed on 11/21/1997, and all our rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property, under any and all Patents which may be granted therefor, and under any and all extensions, divisionals, reissues and continuations of said applications for Patents, including any foreign applications derived therefrom, equivalent thereto or claiming priority thereof.

We request that any and all Patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining Patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same document.

We hereby authorize our attorney, Alysia A. Finnegan or an attorney with Power of Attorney in this application, of the said MERCK & CO., Inc., to insert Serial No. (s), PCT Appl. No. (s) and Filing Date (s) of said application(s) when known.

Attorney Docket No. 19424PCU.S. Serial No. 08/913,644Filing Date November 21, 1997

ASSIGNMENT AND AGREEMENT

U.S. Patent No. 6,908,615 B1Date of Patent June 21, 2005Signed at West Point PA this 14th day of May, 2008.

Robert Lowe
Robert Lowe

COMMONWEALTH OF PENNSYLVANIA

County of Montgomery

} SS.

Personally appeared before me the above-named Robert Lowe to me known and known
to me to be the person who executed the foregoing instrument and acknowledged said instrument to be their free act and deed
this 14th day of May, 2008.

(Seal or stamp)

Marjorie M. Bennett
Signature

COMMONWEALTH OF PENNSYLVANIA
Notary Seal
Marjorie M. Bennett, Notary Public
Upper Gwynedd Twp., Montgomery County
My Commission Expires Jan. 24, 2011
Member, Pennsylvania Association of Notaries

Signed at West Point PA this 14th day of May, 2008.

James C. Cook, III
James C. Cook, III

COMMONWEALTH OF PENNSYLVANIA

County of Montgomery

} SS.

Personally appeared before me the above-named James C. Cook, III to me known and known
to me to be the person who executed the foregoing instrument and acknowledged said instrument to be their free act and deed
this 14th day of May, 2008.

(Seal or stamp)

Marjorie M. Bennett
Signature

COMMONWEALTH OF PENNSYLVANIA
Notary Seal
Marjorie M. Bennett, Notary Public
Upper Gwynedd Twp., Montgomery County
My Commission Expires Jan. 24, 2011
Member, Pennsylvania Association of Notaries